



MODEL NUMBER	SPSX	BL	CL and CM	BM 70 and BM80	CH
Load cell output	Digital – RS485	Digital – RS485	Digital – RS485	Digital – RS485	Digital – RS485
Capacities (kg and tonne)	2kg to 250kg	5kg to 1000kg	50kg – 25000kg	1000kg-7000kg	100 – 500 tonne
Capacities (lb. and tons)	5-lb to 550-lbs	10-lb to 2200-lb	110-lb to 55,000-lb	2200-lb to 15400-lb	110 ton to 550 ton
Load cell safe overload % of FS	300 to 1000%	300 to 1000%	200 to 500%	300 to 1000%	Up to 400%
Load cell safe side load % of FS	500 to 2000%	500 to 2000%	300 to 1000%	500 to 1000%	Up to 500%
Load cell material	17-4ph and 316 Stainless	17-4ph and 316 Stainless	17-4ph and 316 Stainless	17-4ph and 316 Stainless	17-4ph and 316 Stainless
Standard accuracy ranges (% of full scale)	0.025% and 0.015%	0.1%, 0.05% and 0.025%	0.1%, 0.05% and 0.025%	0.25% and 0.1%	0.25%
Enhance accuracy available	YES	YES	YES	YES	YES
Repeatability	Up to 0.005% of Emax	Up to 0.01% of Emax	Up to 0.012% of Emax	Up to 0.01% of Emax	Up to 0.06% of Emax
Deflection at max load	0.1mm	0.1mm	0.2mm	0.1mm	0.1mm
Hermetically sealed – welded	YES, IP68	YES, IP68	YES, IP68	YES, IP68	YES, IP68
ATEX approved – Hazardous area	YES Zone 1,2,21 and 22	YES Zone 1,2,21 and 22	YES Zone 1,2,21 and 22	YES Zone 1,2,21 and 22	YES Zone 1,2,21 and 22
ATEX MODEL NUMBER	SPSX-Ex	BL-Ex	CL-Ex and CM-Ex	BM-Ex	CH-Ex
Temperature Range -50°C to 70°C	YES 100°C w/Teflon cable	YES 100°C w/Teflon cable	YES 100°C w/Teflon cable	YES 100°C w/Teflon cable	YES 100°C w/Teflon cable
Field replaceable cable	YES, no recalibration	YES, no recalibration	YES, no recalibration	YES, no recalibration	YES, no recalibration
Maximum cable length	325-ft (100m)	325-ft (100m)	325-ft (100m)	325-ft (100m)	325-ft (100m)
Cable type	Co-axial, with BNC connector	Co-axial, with BNC connector	Co-axial, with BNC connector	Co-axial, with BNC connector	Co-axial, with BNC connector
Load and Base plates	Optional	Optional	Optional	Optional	Optional
Load and Base plate drawings	Available at No Charge	Available at No charge	Available at No charge	Available at No charge	Available at No charge
Material for load and base plates	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Patented	YES	YES	YES	YES	YES
OIML Approved	C1 to C6	C1 to C3	C1 to C3	C1 to C3	C1 to C3
<i>EHDG</i> * Compliant Design	YES	YES	YES	-	-
Specials available	YES	YES	YES	YES	YES
Profile Height – Maximum sizes Load cells w/ mounting hardware (except CH 6000)	118mm L x 49mm W 75mm H	190mm L x 50mm W 80mm H	96mm Ø x 65mm H CL 124mmØ x 75mm H CM	395mm L x 79mm W 89mm H	245mmØ x 150mm H (without plates)

*European Hygienic Engineering and Design Group, similar to USA 3-A standards

A variety of instrumentation packages are available for use with the above load cells. Supported communications outputs include: Ethernet IP, Ethernet TCP/IP, Profibus DP, ProfiNet, DeviceNet, Serial RS485, Modbus TCP, Analog Output, mv/V output and an ATEX approved power supply.

Serial Interface Module (RS485)



Display terminal Terminal (5024G)



Output module (2050 Ethernet IP)



New load cells are being added often (HBL, Hygienic single point load cell)

